

Product data sheet

Specifications

SQUARE D



Panelboard interior, NQ, main breaker, 100A, Cu bus, 20 pole spaces, 1 phase, 3 wire, 240VAC, 48VDC, column width

NQ820B1C

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Product Type	Interiors
Panelboard Type	Main breaker
Branch Circuit Breaker Type	QOB QOB-VH QHB
Busbar Material	Copper

Complementary

Number of spaces	20
Enclosure Nominal Height	40 in (1016 mm)
Enclosure Nominal Width	8.625 in (219.075 mm)
Enclosure Nominal Depth	5 in (127 mm) NEMA 1
Line Rated Current	100 A
[Iu] rated interrupted current	10 kA 22 kA 65 kA
Number of Phases	1 phase 3 wires
Voltage Rating	240 V AC 48 V DC
Tightening torque	50.007 lbf.in (5.65 N.m) (AWG 14...AWG 1/0) 180.02 lbf.in (20.34 N.m) (AWG 10...AWG 2/0) 180.02 lbf.in (20.34 N.m) (AWG 6...AWG 2/0) 254.37 lbf.in (28.74 N.m) (AWG 6...300 kcmil) 50.007 lbf.in (5.65 N.m) (AWG 4...AWG 1/0) 77.36 lbf.in (8.74 N.m) (AWG 4...300 kcmil)

Environment

Standards	UL CSA
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Ordering and shipping details

Category	US1PE1A00013
Discount Schedule	PE1A
GTIN	785901700500
Returnability	Yes
Country of origin	MX

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package weight(Lbs)	7.000 lb(US) (3.175 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	4 531 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	21 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.9 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	4 502 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	91
Circularity Profile	No need of specific recycling operations
Take-back	No